

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

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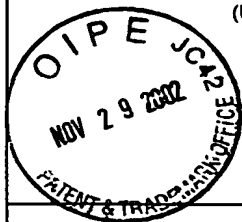
KCC-16,182

SERIAL NO.

10/017,474

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APPLICANT(S)

S. Scott FRIDERICH et al.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RM	AA	3,849,241	11/1974	Butin et al.	X	X	
	AB	4,340,563	07/1982	Appel et al.			
	AC	3,692,618	09/1972	Dorschner et al.			
	AD	3,802,817	04/1974	Matsuki et al.			
	AE	3,338,992	08/1967	Kinney			
	AF	3,341,394	09/1967	Kinney			
	AG	3,502,763	03/1970	Hartmann			
	AH	3,502,538	03/1970	Petersen			
	AI	3,542,615	11/1970	Dobo et al.			
	AJ	3,901,236	08/1975	Assarsson et al.			
	AK	4,076,663	02/1978	Masuda et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
RUC	AL	00/61050	10/2000	PCT	X	X		
	AM	386 815	09/1990	EPO				
	AN	01/43969	06/2001	PCT				
	AO	549 954	07/1993	EPO				
	AP							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

K.M. Reichle

DATE CONSIDERED

12-4-02

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USCOMM-DC 80-3985

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PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PR	AA	4,286,082	08/1981	Tsubakimoto et al.			
	AB	5,382,400	01/1995	Pike et al.			
	AC	5,226,992	07/1993	Morman			
	AD	6,129,801	10/2000	Benson et al.			
	AE	4,578,071	03/1986	Buell			
	AF	4,636,207	01/1987	Buell			
	AG	4,662,877	05/1987	Williams			
	AH	4,846,823	07/1989	Enloe			
	AI	4,846,825	07/1989	Enloe et al.			
	AJ	5,492,751	02/1996	Butt, Sr. et al.			
	AK	5,695,868	12/1997	McCormack			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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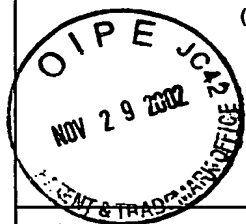
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PM	AA	5,855,999	01/1999	McCormack			
	AB	5,882,518	03/1999	Yagi et al.			
	AC	5,968,994	10/1999	Hashimoto et al.			
	AD	6,048,607	04/2000	Hashimoto et al.			
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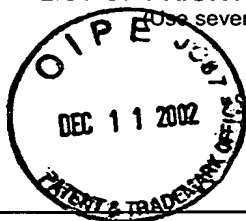
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pm	AA	5,938,648	08/1999	LaVon et al.			
	AB	5,865,823	02/1999	Curro			
	AC	6,037,281	03/2000	Mathis et al.			
	AD	5,993,433	11/1999	St. Louis et al.			
	AE						
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	AG						
	AH						
	AI						
	AJ						
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